

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A transmission board comprising:
~~a pair of upper and lower first surface boards each board having at least one first transmission circuit on a first surface thereof with and first connection pads on a second surface thereof opposite to the first surface, said first surface board having a first edge portion along which the first connection pads are arranged;~~
~~a second surface board having at least one second transmission circuit on a third surface thereof and second connection pads on a fourth surface thereof opposite to the third surface, said second surface board having a second edge portion along which the second connection pads are arranged; and~~
~~a frame body for supporting said pair of the first and second surface boards on upper and lower sides thereof and so that the first transmission circuit is apart from the second transmission circuit by a specific distance according to a specific characteristic impedance when the first transmission circuit and the second transmission circuit are operated in a differential operation, said frame body having at least one plugging end edge attached to the first and second edge portions for covering the first and second edge portions that has a plurality of guiding slopes on each of upper and lower sides thereof for guiding a plurality of terminals of a mating connector toward said connection pads.~~

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2. (currently amended) The transmission board according to claim 1, wherein said frame body is adapted to support plurality of said the first and second surface boards are spaced at with a constant distance by said frame body therebetween such that said transmission circuits the first and third surfaces are opposed to each other.

3. (currently amended) The transmission board according to claim 2 1, wherein said opposed first and second transmission circuits have a the specific characteristic impedance of approximately 100 ohms in the differential operation.

4. (currently amended) The transmission board according to claim 2 1, wherein said first and second surface boards define a space therebetween to be filled with a layer of air or material having a relative permittivity and a dielectric loss tangent that are lower than those of a glass reinforced epoxy resin.

5. (currently amended) The transmission board according to claim 2 1, wherein said first and second transmission circuits include at least one first and second ground circuit circuits on the second and fourth surfaces and at least one signal circuit provided on an outside and an inside of said surface board first and second signal circuits on the first and third surfaces, respectively, and said connection pads are provided on said outside, with said first and second signal circuit is circuits being connected to said first and second connection pad pads through said first and second surface board.

6. (currently amended) The transmission board according to claim 1, which wherein said frame body further comprising

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includes at least one projecting guide extending from an end of
said the one plugging edge in a plugging direction of the mating
connector such that upon plugging with a of the mating connector,
said projecting guide enters a corresponding groove of said
mating connector before said the one plugging edge abuts against
a terminal of said mating connector and, said projecting guide
having at least one raised portion on a top or bottom face
thereof.

7. (currently amended) The transmission board according to
claim 1, wherein said first and second surface boards further
include conductive portions along the first and second edge
portions, respectively, so that the first and second transmission
circuit circuits provided on an inside of said surface board is
are connected to said connection pad provided on an outside at a
position relatively close to an edge of said surface board the
first and second connection pads through the conductive portions,
respectively.

8. (previously presented) The transmission board according
to claim 1, wherein said connection pad is provided with an
extended contact that is bent at said the one plugging edge so as
to cover said guiding slope.

9. (currently amended) The transmission board according to
claim 1, wherein at least one of said surface board has at
least one signal circuit provided on an inside thereof and at
least one first and second ground circuit circuits provided on an
outside thereof as said transmission circuits, and at least one
signal connection pad provided on said outside close to said
plugging edge and connected to said signal circuit through said

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~~surface board and at includes least one ground connection pad provided on said outside and spaced from said plugging edge but close to said signal connection pad, and said ground connection pad provided with having an extended portion that is aligned with said signal connection pad at least one of the first and second connection pads.~~

10. (currently amended) The transmission board according to claim 1, ~~wherein said at least one further comprising a plurality of the guiding slope has slopes disposed at positions corresponding to the first and second connection pads, said plurality of the guiding slopes having different sloping angles corresponding to said the first and second connection pads.~~

11. (currently amended) The transmission board according to claim 10, wherein ~~said plurality of the guiding slopes are offset in a zigzag fashion is disposed at positions alternately shifted in a plugging direction of the mating connector.~~

12. (currently amended) The transmission board according to claim 1, wherein ~~said one plugging edge has a top face higher than said protruding portion protruding above at least one of second and fourth surfaces of the first and second surface board boards on a side adjacent to said surface board.~~

13. (currently amended) The transmission board according to claim 1, wherein said frame body is provided with at least one projecting guide that projects from ~~said the one~~ plugging edge in a plugging direction and has a vertical length that is larger than that of ~~said the one~~ plugging edge.

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14. (original) The transmission board according to claim 13, wherein said projecting guide is tapered in both vertical and horizontal directions.

15. (original) The transmission board according to claim 13, wherein at least one of said projecting guides has a different cross-section from the other said projecting guides in a plane perpendicular to said plugging direction.

16. (original) The transmission board according to claim 1, wherein said frame body is provided with a stopper portion that abuts against said mating connector when said transmission board is plugged to a predetermined position.

17. (original) The transmission board according to claim 1, wherein said frame body is provided with a lock member for preventing separation from said mating connector.

18. (original) The transmission board according to claim 1, wherein said frame body is provided with a slit portion for receiving an engaging portion of a linking member for holding a plurality of said transmission boards at regular intervals.

19. (currently amended) The transmission board according to claim 1, wherein ~~said surface board and~~ said frame body ~~are provided with a hole or notch and further includes~~ a boss or projection, respectively, and at least one of the first and second surface boards further includes a hole or notch for engagement with each other and receiving the boss or projection so that the frame body is attached to the at least one of the

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first and second surface board deformation under with heat and pressure.

20. (currently amended) The transmission board according to claim 1, wherein said frame body ~~is provided with two said further includes another plugging edges edge, and said first and second surface boards further include third and fourth edge portions, respectively, said another end attached to the third and fourth edge portions for covering the third and fourth edge portions, one of said another plugging edges is provided edge including at an end with a projecting guide that projects in a plugging direction of the mate connector and has a vertical width larger than that of said another plugging edge.~~

21. (previously presented) A connector assembly consisting of at least one connector and at least one transmission board connected to said connector, wherein said transmission board comprising:

a frame body;

at least one surface board supported by said frame body and having at least one transmission circuit and at least one connection pad provided on at least one edge thereof,

said frame body is provided with at least one other plugging edge made of a metal or resin molding.

22. (original) A connector assembly consisting of at lease one connector and at least one transmission board connected to said connector, wherein said transmission board comprising:

a frame body;

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a pair of surface boards each having at least one edge and supported by said frame body at a regular interval such that transmission circuits thereof are opposed to each other and,

said frame body being provided with at least one plugging edge that extends along said edge, has at least one guiding slope, and is made of a metal or resin molding.

23. (original) The connector assembly according to claim 22, wherein said opposed circuits are made so as to have a characteristic impedance of approximately 100 ohms in differential operation.

24. (original) The connector assembly according to claim 22, wherein said opposed surface boards define, in cooperation with said frame body, a layer of air or material having a relative permittivity and a dielectric loss tangent lower than those of a glass reinforced epoxy resin.

25. (original) The connector assembly according to claim 22, wherein said pair of surface boards have, as said transmission circuits, a ground circuit and a signal circuit on an outside and an inside thereof, respectively, and connection pads on said outside, with said signal circuit connected to said connection pad through said surface board.

26. (original) The connector assembly according to claim 22, wherein said frame body is provided with a plurality of said plugging edges that are provided in correspondence with a plurality of said edges having said connection pads thereon and connectable to a plurality of connectors.

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27. (original) The connector assembly according to claim 26, wherein said frame body is provided with at least one projecting guide projecting from said plugging edge in said plugging direction so that a tip thereof enters a corresponding groove of said connector upon plugging before a terminal of said connector abuts against said plugging edge and a lock member for preventing separation from said connector when said transmission board engages with said connector at a predetermined position.

28. (original) The connector assembly according to claim 22, wherein said frame body is provided with a slit into which a linking member is inserted to link a plurality of said transmission boards.